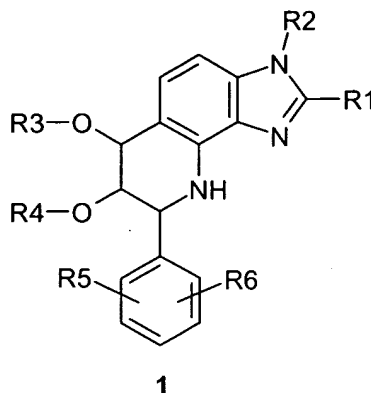


## Appendix A

### Claim Amendments

1. (Currently amended) A compound of the formula 1



in which

- R1 is hydrogen, halogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,
- R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,
- R3 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-

4C-alkyl, fluoro-1-4C-alkoxy- 1-4C-alkyl, hydroxy-1-4C-alkyl or a radical aryl-1-4C-alkyl

wherein

aryl is a phenyl substituted by R31 and R32

where

R31 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy and

R32 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy,

R4 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,

or where R3 and R4 together form a methylene ( $-\text{CH}_2-$ ), an ethylene ( $-\text{CH}_2-\text{CH}_2-$ ), a propylene ( $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ) or a isopropylidene ( $-\text{C}(\text{CH}_3)_3-$ ) radical,

R5 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

R6 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

or a salt thereof

~~and its salts.~~

2. (Currently amended) A compound of the formula 1 as claimed in claim 1, in which

in which

- R1 is hydrogen, halogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,
- R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,
- R3 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,
- R4 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl
- R5 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl
- R6 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl
- or a salt thereof ~~and its salts.~~

3. (Currently amended) A compound of the formula 1 as

claimed in claim 1, in which

R1 is hydrogen, 1-4C-alkyl or 3-7C-cycloalkyl,

R2 is hydrogen, 1-4C-alkyl or 3-7C-cycloalkyl,

R3 is hydrogen, 1-4C-alkyl, 3-5C-cycloalkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl, hydroxy-1-4C-alkyl or a radical aryl-1-4C-alkyl wherein

aryl is a phenyl substituted by R31 and R32

where

R31 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy and

R32 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy,

R4 is hydrogen, 1-4C-alkyl or hydroxy-1-4C-alkyl

or where R3 and R4 together form a methylene ( $-\text{CH}_2-$ ), an ethylene ( $-\text{CH}_2-\text{CH}_2-$ ), a propylene ( $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ) or a isopropylidene ( $-\text{C}(\text{CH}_3)_2-$ ) radical,

R5 is hydrogen, fluoro, 1-4C-alkyl or fluoro-1-4C-alkyl

R6 is hydrogen, fluoro, 1-4C-alkyl or fluoro-1-4C-alkyl

or a salt thereof and its salts.

4. (Currently amended) A compound of the formula 1 as claimed in claim 1, in which

R1 is 1-4C-alkyl,

R2 is hydrogen or 1-4C-alkyl,

R3 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, or a radical Aryl-1-4C-alkyl,

wherein

Aryl is phenyl,

R4 is hydrogen,

or where R3 and R4 together form an ethylene ( $-\text{CH}_2-\text{CH}_2-$ ) radical,

R5 is hydrogen and

R6 is hydrogen,

or a salt thereof ~~and its salts.~~

5. (Currently amended) A compound of the formula 1 as claimed in claim 1, in which

R1 is 1-4C-alkyl,

R2 is 1-4C-alkyl,

R3 is hydrogen, 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl

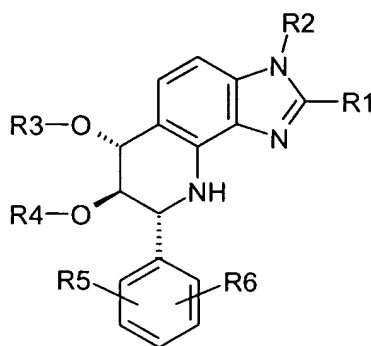
R4 is hydrogen,

R5 is hydrogen,

R6 is hydrogen

or a salt thereof and its salts.

6. (Currently amended) A compound of the formula 1 as claimed in claim 1, characterized by the formula 1a,



1a

in which

R1 is hydrogen, halogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,

R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,

R3 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-

4C-alkyl, fluoro-1-4C-alkoxy- 1-4C-alkyl, hydroxy-1-4C-alkyl or a radical aryl-1-4C-alkyl

wherein

aryl is a phenyl substituted by R31 and R32

where

R31 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy and

R32 is hydrogen, 1-4C-alkyl, fluoro-1-4C-alkyl, 1-4C-alkoxy or fluoro-1-4C-alkoxy,

R4 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl or hydroxy-1-4C-alkyl,

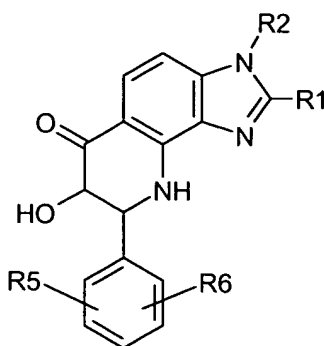
or where R3 and R4 together form a methylene ( $-\text{CH}_2-$ ), an ethylene ( $-\text{CH}_2-\text{CH}_2-$ ), a propylene ( $-\text{CH}_2-\text{CH}_2-\text{CH}_2-$ ) or a isopropylidene ( $-\text{C}(\text{CH}_3)_3-$ ) radical,

R5 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

R6 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

or a salt thereof ~~and its salts.~~

7. (Currently amended) A compound of the formula 3



3

in which

R1 is hydrogen, halogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy- 1-4C-alkyl or hydroxy-1-4C-alkyl,

R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,

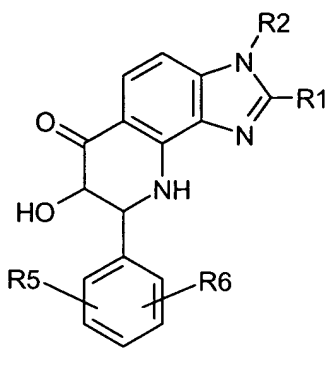
R5 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

R6 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl  
or a salt thereof

~~R1, R2, R5 and R6 have the meanings as indicated in claim 1 and its salts.~~



8. (Currently amended) A process for the synthesis of a compound ~~compounds~~ of the formula 1 as claimed in claim 1, which comprises reducing a keto group of a compound of formula 3



3

in which

R1 is hydrogen, halogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxycarbonyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl, fluoro-1-4C-alkoxy- 1-4C-alkyl or hydroxy-1-4C-alkyl,

R2 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, fluoro-1-4C-alkyl or hydroxy-1-4C-alkyl,

R5 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

R6 is hydrogen, halogen, 1-4C-alkyl or fluoro-1-4C-alkyl

or a salt thereof,

to obtain a compound of the formula 1 as claimed in claim

1,

and optionally submitting said compound of formula 1 to a

derivatization reaction

~~— converting compounds of the formula 3 as claimed in~~

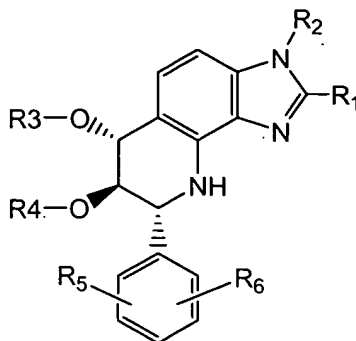
~~claim 7 to compounds of the formula 1 as~~

~~claimed in claim 1.~~

9. (Currently amended) A ~~medicament~~ pharmaceutical composition comprising a compound as claimed in claim 1 and/or a pharmacologically acceptable salt thereof together with a pharmaceutically acceptable auxiliary and/or excipient ~~customary pharmaceutical auxiliaries and/or excipients.~~

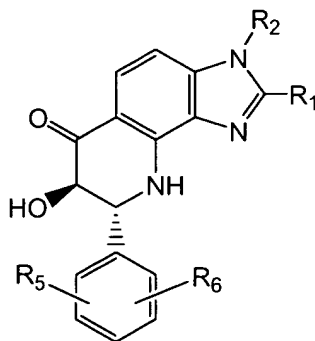
10. (Currently amended) ~~The use of a~~ A method of preventing or treating a gastrointestinal disorder in a patient comprising administering to a patient in need thereof, a compound as claimed in claim 1 or a pharmacologically acceptable salt thereof and its pharmacologically acceptable salts for the prevention and treatment of gastrointestinal disorders.

11. (New) A process for the synthesis of a compound according to claim 1 of the formula 1a



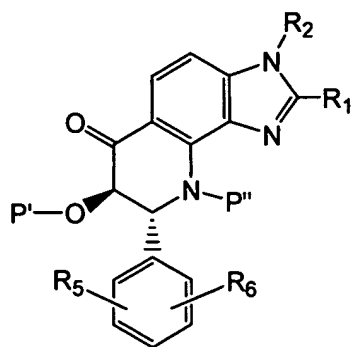
1a

which comprises protecting an amino group and a hydroxyl group of a compound of formula 3a



3a

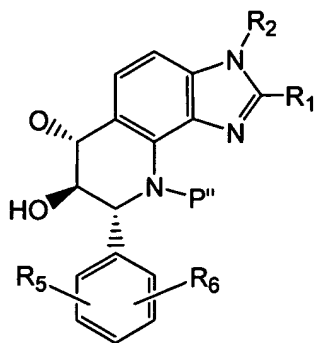
to provide a compound of formula 18a



18a

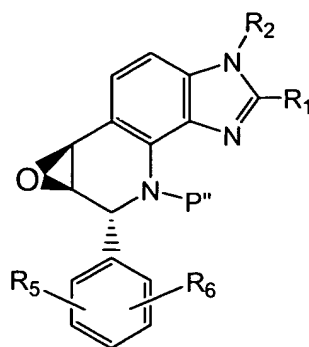
wherein P' is a protecting group and P'' is a protecting group,

reducing a keto group and deprotecting a hydroxyl group of a compound of formula 18a to obtain a compound of the formula 19a



19a

submitting said compound of formula 19a to an epoxidformation reaction to yield a compound of formula 20a



20a

reacting said compound of formula 20a with an alcohol of the formula R<sub>3</sub>-OH to obtain a compound of formula 1a, and optionally submitting said compound of formula 1a to a derivatization reaction.